

Mitsutomo Submittal Data Sheet

R-454B 18k High Heat Multi Position Air Handler Heat Pump

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- 4 way multi position air handler
- Up to .8" static pressure
- 24V thermostat option
- Heating down to -22 deg F
- Self diagnostics
- Super quiet
- ECM blower motor
- Programmable smart wall thermostat
- Large handheld remote
- Auto condenser coil cleaning cycle



MODEL NUMBER

Indoor unit:	UHM18-BB-LA-Q
Outdoor unit:	UHO18-NB-LA-Q
Certified:	   

SYSTEM PERFORMANCE AND DATA

Cooling Efficiencies and Performance

SEER2	19.0
EER2	12.5
Rated Capacity	18000
Min/Max Capacity	5600~22000
Moisture Removal (L/H)	1.65
Standard Operating Range (F°)	-22~122

Conditions: Indoor: 80F° DB/67F° WB
Outdoor: 95F° DB/75F° WB

Heating Efficiencies and Performance

HSPF2-4	9.7
COP	3.20
1. @ 47F° Rated	19000
1. @ 47F° Min/Max Capacity	6000~22000
2. @ 17F° Rated	15000
3. @ 5F° Rated: Capacity / COP	18000/2
3. @ 5F° Max: Capacity	18000
Standard Operating Range (F°)	-22~75

1. Conditions: Indoor: 70F° DB/60F° WB
Outdoor: 47F° DB/43F° WB
2. Conditions: Indoor: 70F° DB/60F° WB
Outdoor: 17F° DB/15F° WB
3. Conditions: Indoor: 70F° DB/60F° WB
Outdoor: 5F° DB/5F° WB

ELECTRICAL

Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor Min. Circuit Amps 115V/(208/230V)	5.5/4.0
Indoor Max Over Current Protection	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor Min. Circuit Amps	16
Outdoor Max Over Current Protection	20
Communication Wiring	18-2 Mitsutomo Thermostat 18-10 3rd Party Thermostat
Compressor (RLA)	10.5
Outdoor Fan Motor (RLA)	0.9
Outdoor Fan Motor (W)	80
Indoor Fan Motor (RLA)	2
Indoor Fan Motor (W)	250
System Power Input @ Cooling (W)	1445(440 ~ 1950)
System Power Input @ Heating (W)	1740(500 ~ 1950)

OPTIONAL ACCESSORIES

8kw Electric Heat Kit	M-EAH-08-Q
15kw Electric Heat Kit	M-EAH-15-Q

SPECIFICATIONS

Indoor:

Indoor Air Flow (Turbo/H/M/L/Q)	(CFM)	618.0 / 576.8 / 529.7 / 488.5 / 488.5
Indoor Noise Level (Turbo/H/M/L/Q)	(DBA)	41 / 41 / 39 / 33 / 33

Heating Efficiencies and Performance

Compressor Type		ROTARY
Refrigerant		R454B
Refrigerant Oil Charge	(OZ)	20.96
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	(CFM)	1765.7
Outdoor Noise Level	(DBA)	59

DIMENSIONS

Indoor:

Dimension (W×D×H)	17.52 x 21.02 x 45.00
Package (W×D×H)	26.57 x 20.87 x 48.62
Unit Weight (lbs)	105.82
Shipping Weight (lbs)	126.76

Outdoor:

Dimension (W×D×H)	35.04 x 13.46 x 26.50
Package (W×D×H)	39.17 x 15.67 x 29.13
Unit Weight (lbs)	101.41
Shipping Weight (lbs)	109.13

REFRIGERANT PIPE DATA

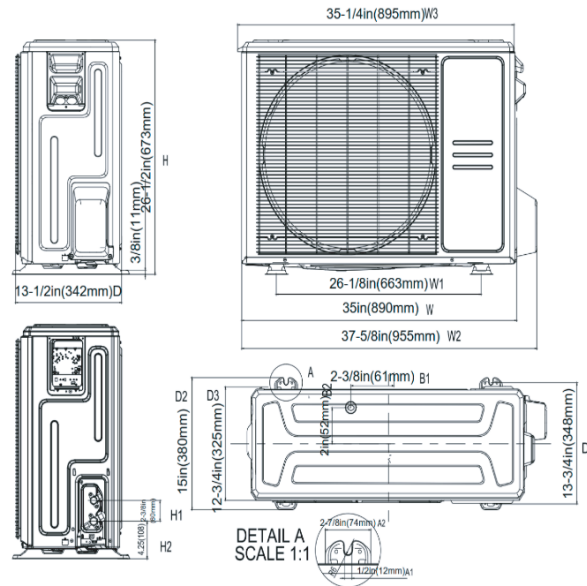
Liquid Size (in.)	3/8
Gas Size (in.)	3/4
Max. Piping Length (ft)	98.4
Max. Height Difference (ft)	65.6
Max. Pre-charged Length (ft)	24.6
Refrigerant Pre-charged Amount (oz)	74.08
Additional Charge of Refrigerant (oz/ft)	0.70
Connection Method	Flared

WARRANTY

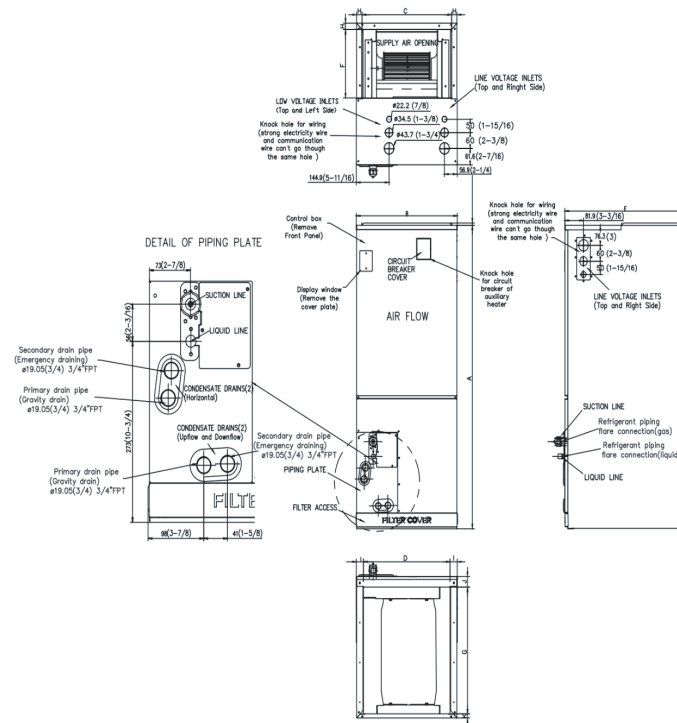


5 years compressor
5 years parts

Outdoor Unit Dimension



Indoor Unit Dimension (Internal Pump)



Model	Unit	A	B	C	D	E	F	G	H	I	J	K
18K	inch	45	17.5	15 5/8	15 1/8	21	10 1/4	18 3/4	15/16	11/4	15	5/8